

73. (New) An antibody which selectively binds a mammalian Presenilin protein having at least 63% overall amino acid sequence identity with a Presenilin 1 having an amino acid sequence as depicted in SEQ ID NO: 2.

*A1*  
*lun B2*

74. (New) The antibody as defined in claim 73, wherein the mammalian Presenilin protein has a sequence as depicted in SEQ ID NOs: 2, 4, 134, 136, or 137.

75. (New) The antibody as defined in claim 73, which selectively recognizes an amino acid sequence of at least six contiguous amino acid residues as depicted in SEQ ID NOs: 2, 4, 134, 136, or 137; or antigenic fragments thereof.

76. (New) The antibody as defined in claim 75, wherein the antibody selectively recognizes amino acid residues 30-45, 109-120, 304-319, or 346-360 of SEQ ID NO: 2.

*but Dp*

77. (New) The antibody as defined in claim 73, which is a monoclonal antibody.

78. (New) The antibody as defined in claim 73, which is a humanized antibody.

79. (New) A hybridoma for producing the antibody as defined in claim 73.